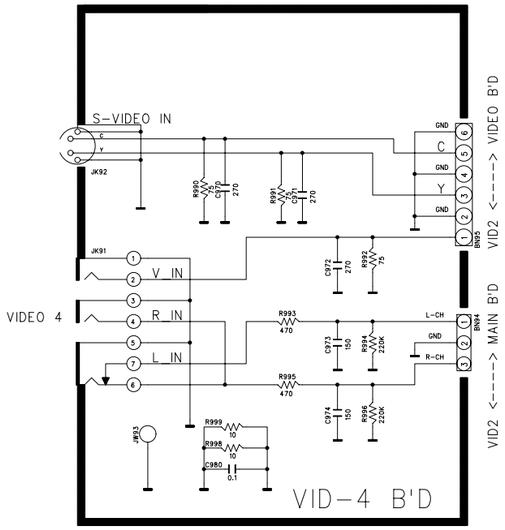
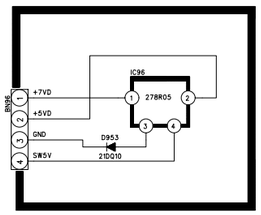
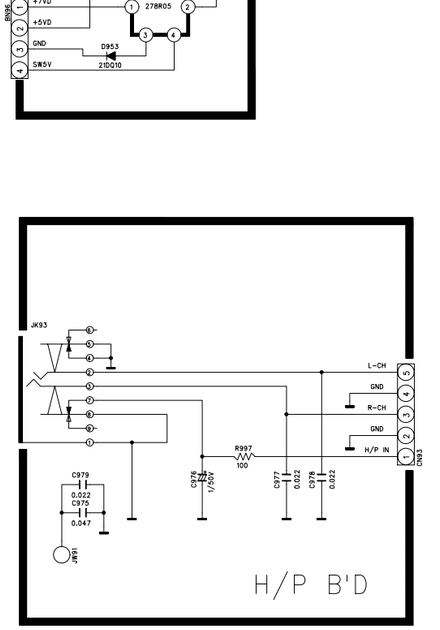
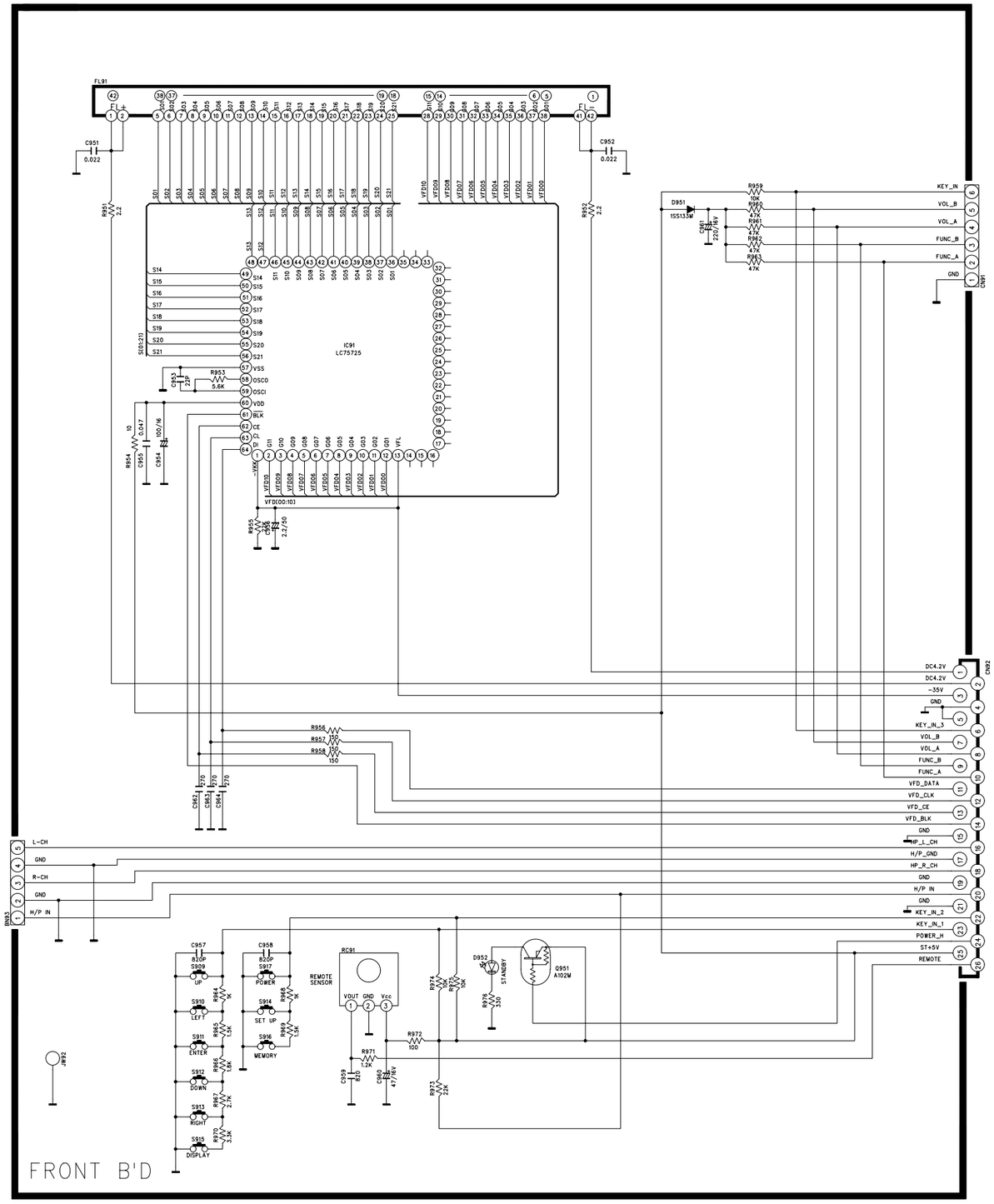
3. SCHEMATIC DIAGRAM

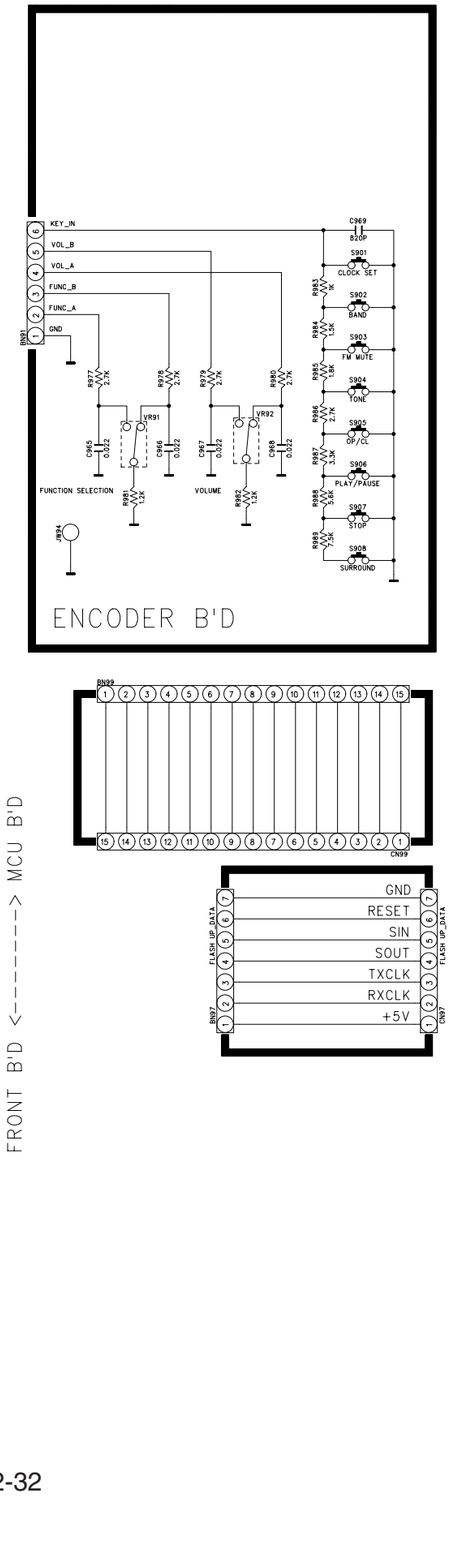
FRONT PART





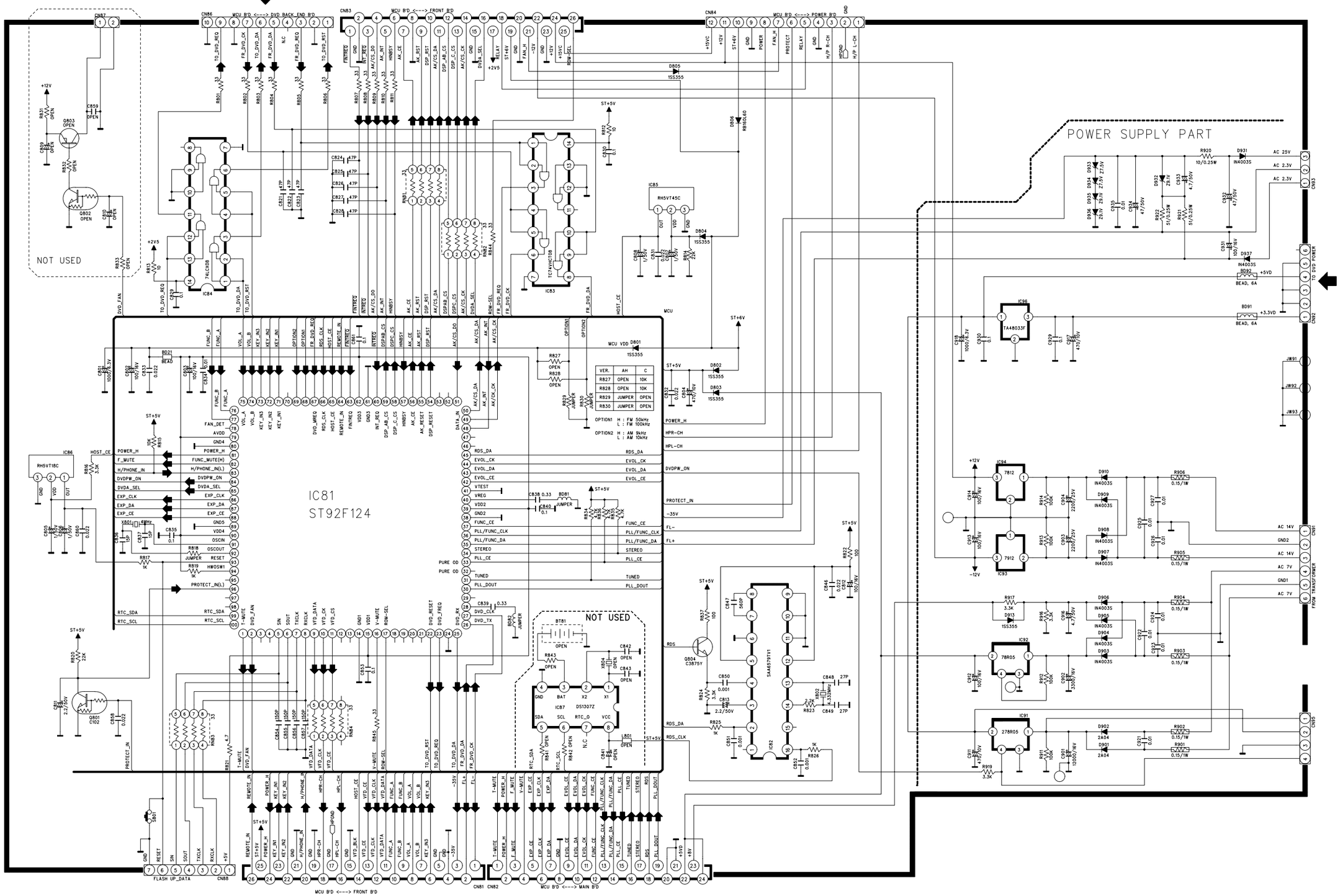




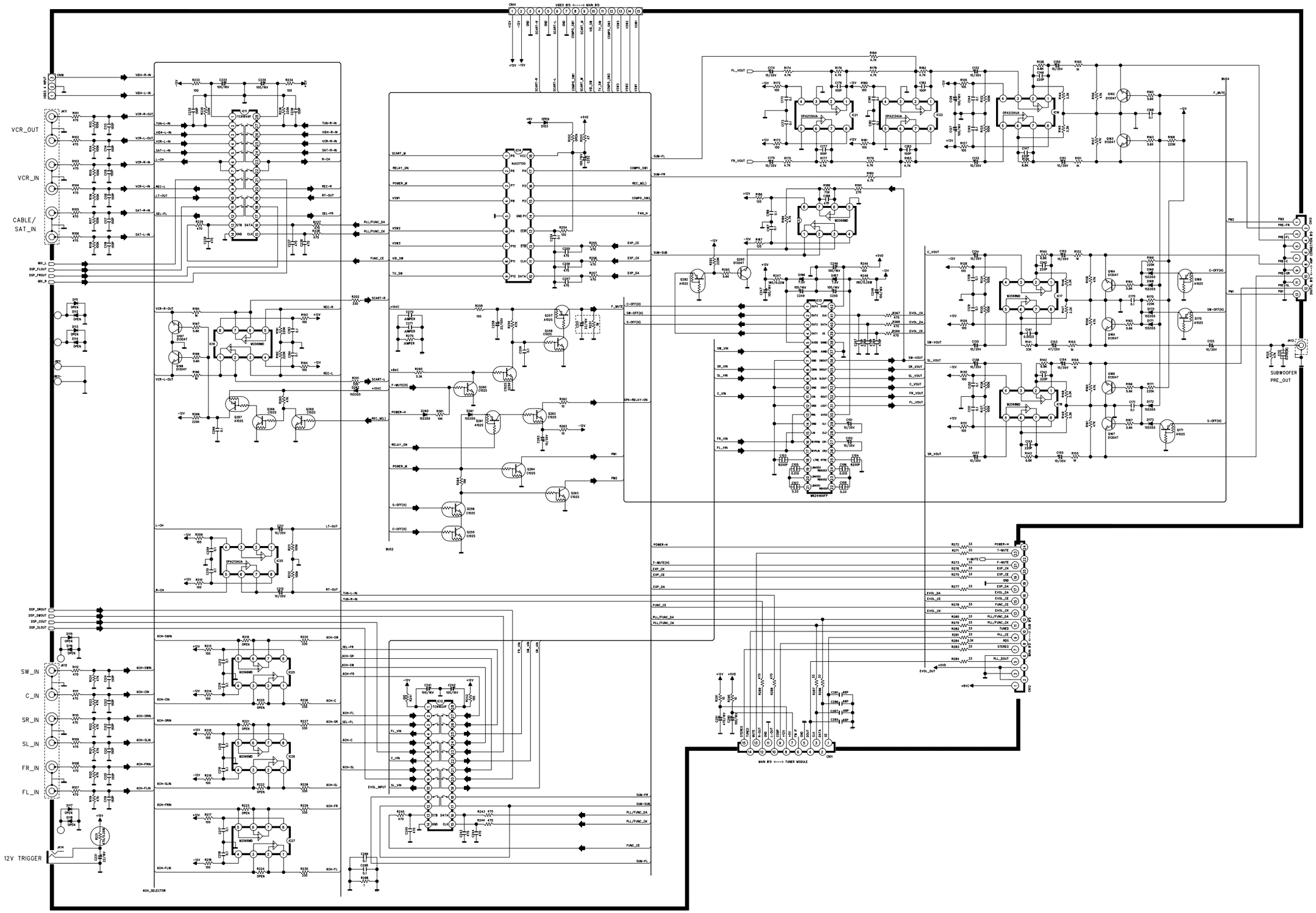


FRONT B'D <----> MCU B'D

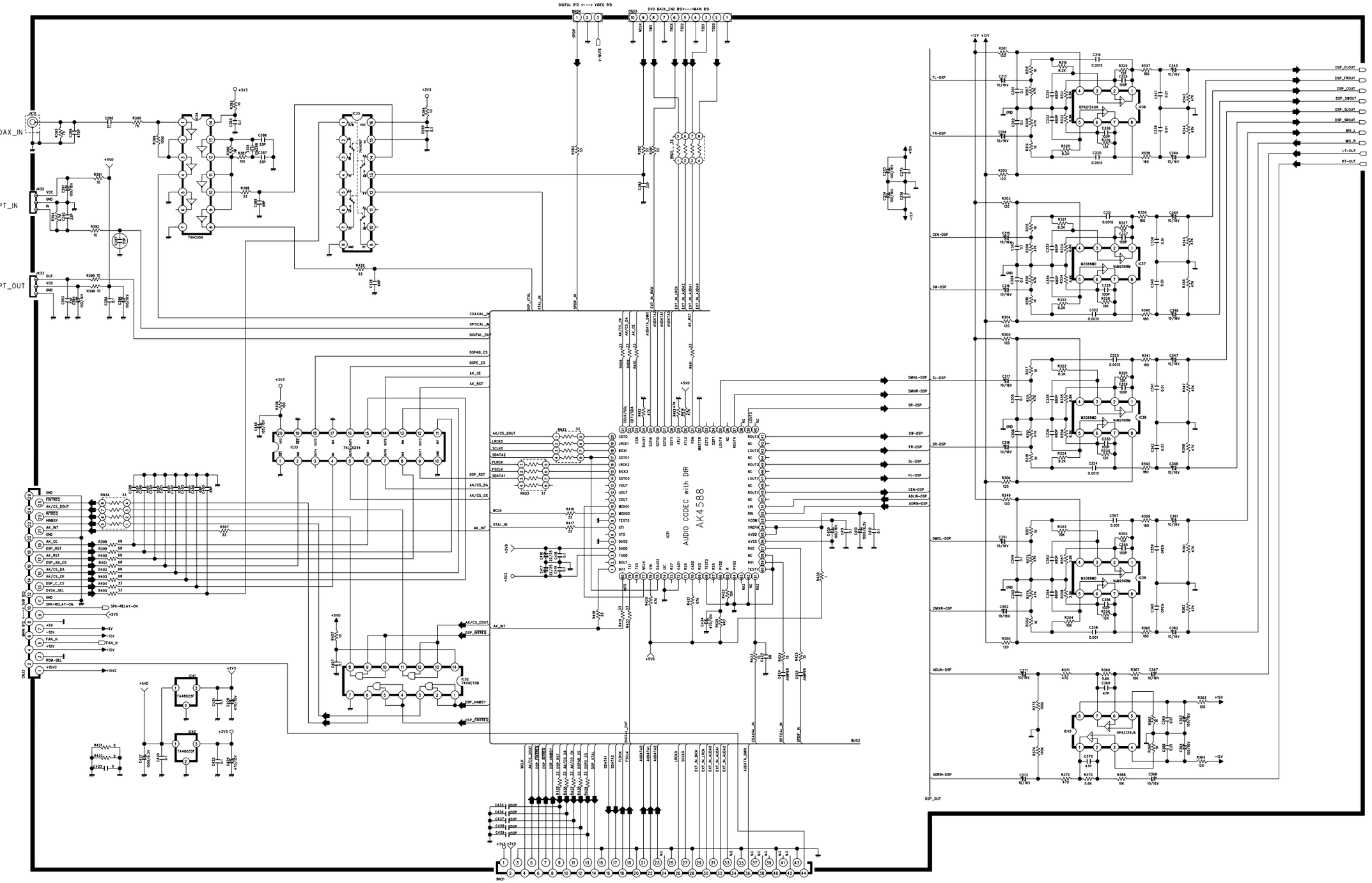
u-COM & POWER SUPPLY PART



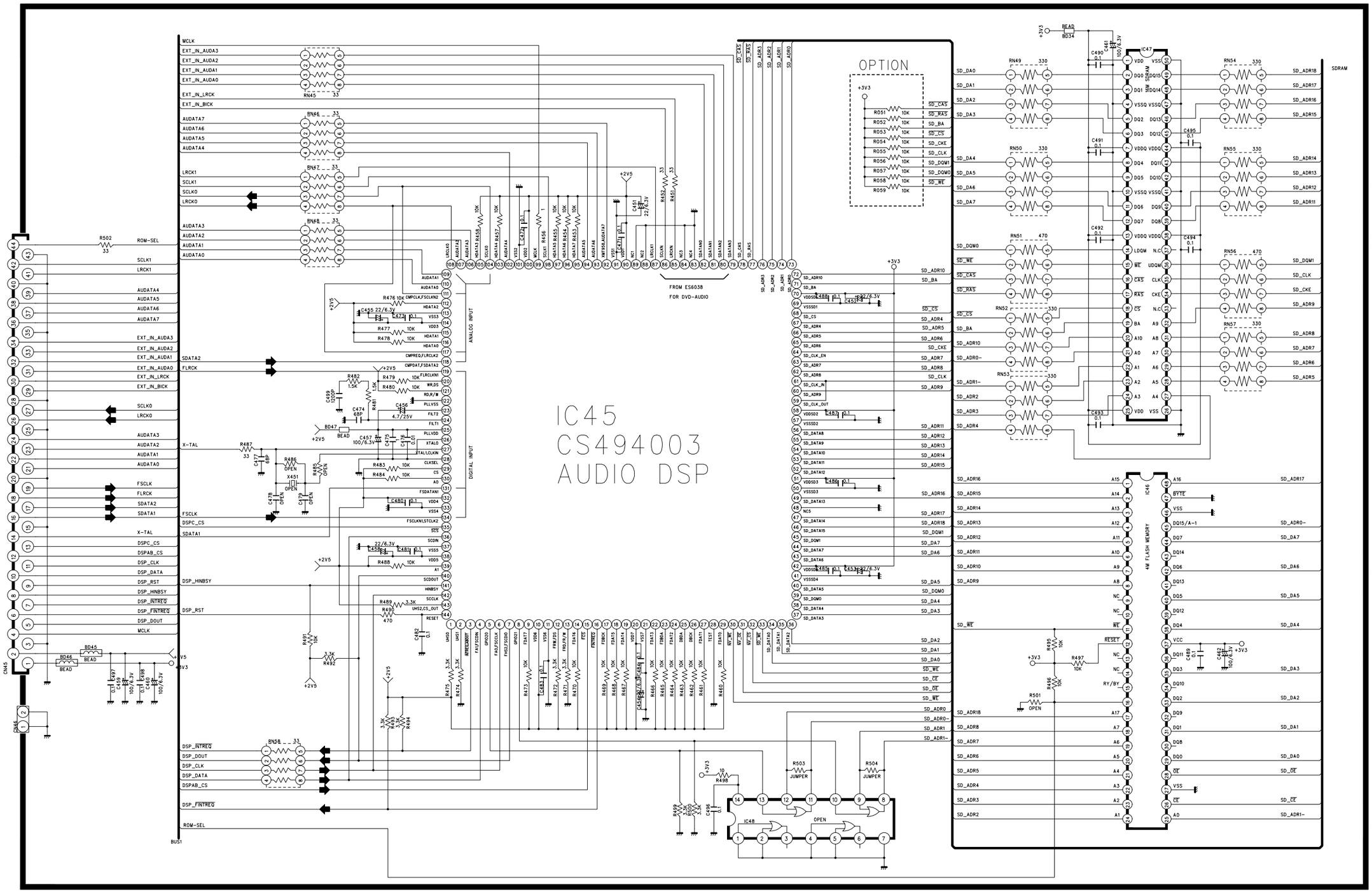
INPUT & VOLUME PART



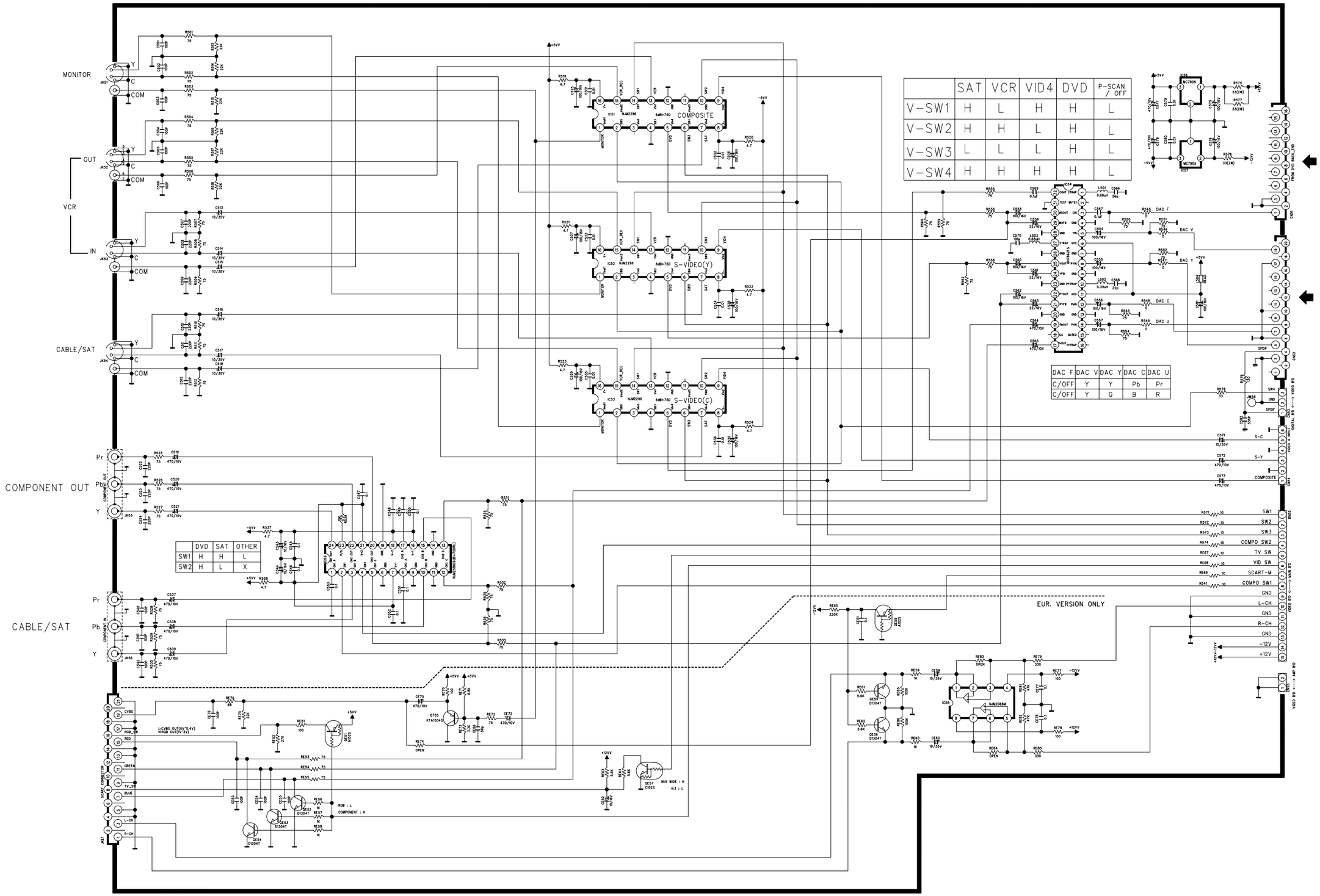
CODEC & LPF PART



DSP PART


IC45
CS494003
AUDIO DSP
OPTION
FROM ES6038
FOR DVD-AUDIO
ANALOG INPUT
DIGITAL INPUT
SDRAM
4M FLASH MEMORY
IC46
IC47
IC48
ROM-SEL
BUS1
CN45
MCLK
EXT_IN_AUDA3
EXT_IN_AUDA2
EXT_IN_AUDA1
EXT_IN_AUDA0
EXT_IN_LRCK
EXT_IN_BICK
AUDATA7
AUDATA6
AUDATA5
AUDATA4
LRCK1
SCLK1
SCLK0
LRCK0
AUDATA3
AUDATA2
AUDATA1
AUDATA0
SDATA2
FLRCK
SCLK0
LRCK0
AUDATA3
AUDATA2
AUDATA1
AUDATA0
FSCLK
FLRCK
SDATA2
SDATA1
X-TAL
DSPC_CS
DSPAB_CS
DSP_CLK
DSP_DATA
DSP_RST
DSP_HINBSY
DSP_HNBSY
DSP_INTREQ
DSP_FINTREQ
DSP_DOUT
MCLK
SD_DA0
SD_DA1
SD_DA2
SD_DA3
SD_DA4
SD_DA5
SD_DA6
SD_DA7
SD_DQM0
SD_WE
SD_CAS
SD_RAS
SD_CS
SD_BA
SD_ADR10
SD_ADR0-
SD_ADR1-
SD_CLK
SD_CKE
SD_ADR9
SD_ADR8
SD_ADR7
SD_ADR6
SD_ADR5
SD_ADR4
SD_ADR3
SD_ADR2
SD_ADR1
SD_ADR0
SD_DQM1
SD_CLK
SD_ADR18
SD_ADR17
SD_ADR16
SD_ADR15
SD_ADR14
SD_ADR13
SD_ADR12
SD_ADR11
SD_DA8
SD_DA9
SD_DA10
SD_DA11
SD_DA12
SD_DA13
SD_DA14
SD_DA15
SD_DQM1
SD_DA7
SD_DA6
SD_DA5
SD_DQM0
SD_DA4
SD_DA3
SD_DA2
SD_DA1
SD_DA0
SD_OE
SD_CE
SD_BYTE
SD_VCC
SD_RESET
SD_RY/BY
SD_DQ15/A-1
SD_DQ14
SD_DQ13
SD_DQ12
SD_DQ11
SD_DQ10
SD_DQ9
SD_DQ8
SD_DQ7
SD_DQ6
SD_DQ5
SD_DQ4
SD_DQ3
SD_DQ2
SD_DQ1
SD_DQ0
+3V3
+2V5
+5V
OPEN
JUMPER

VIDEO PART

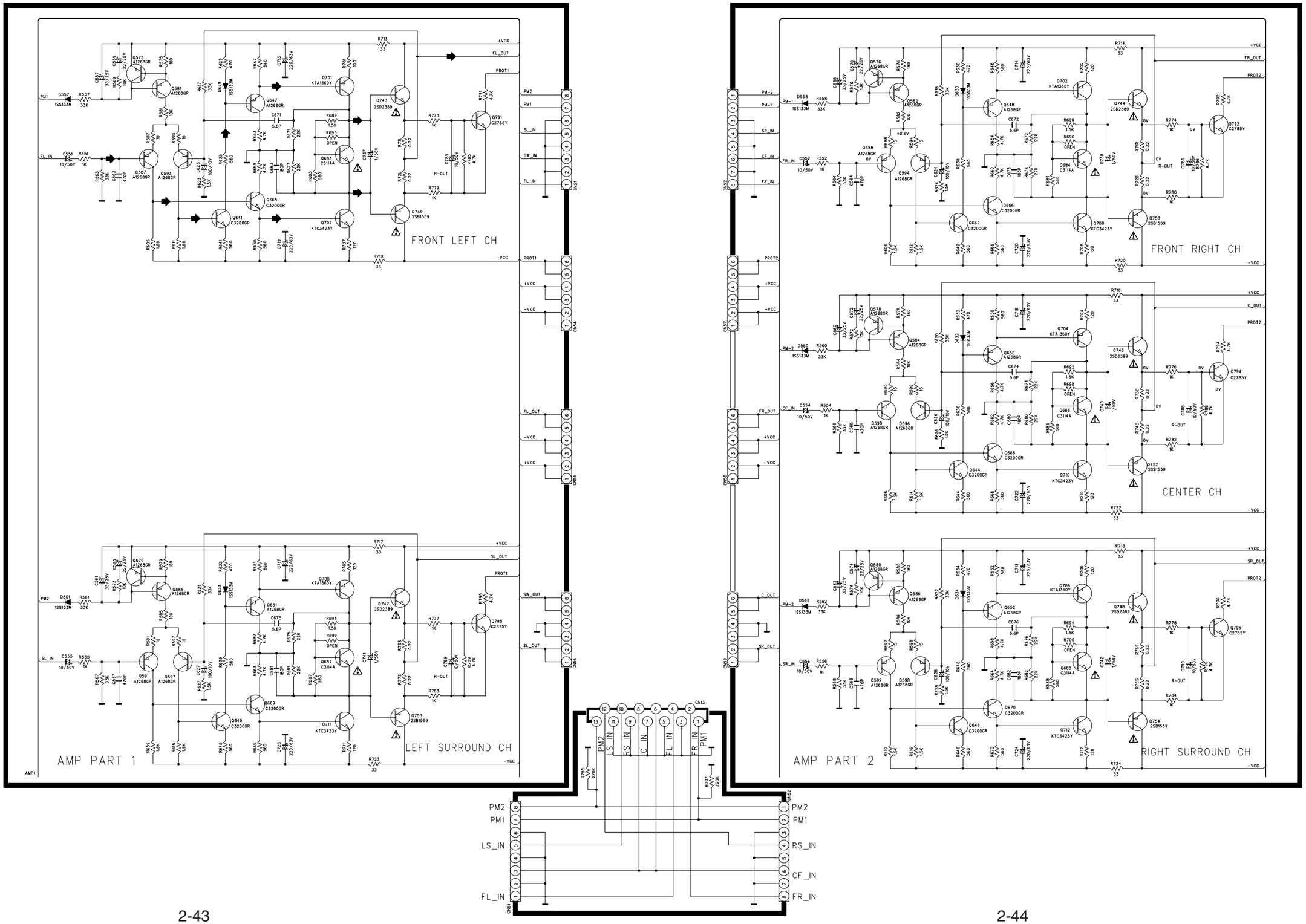


	SAT	VCR	VID4	DVD	P-SCAN / OFF
V-SW1	H	L	H	H	L
V-SW2	H	H	L	H	L
V-SW3	L	L	L	H	L
V-SW4	H	H	H	H	L

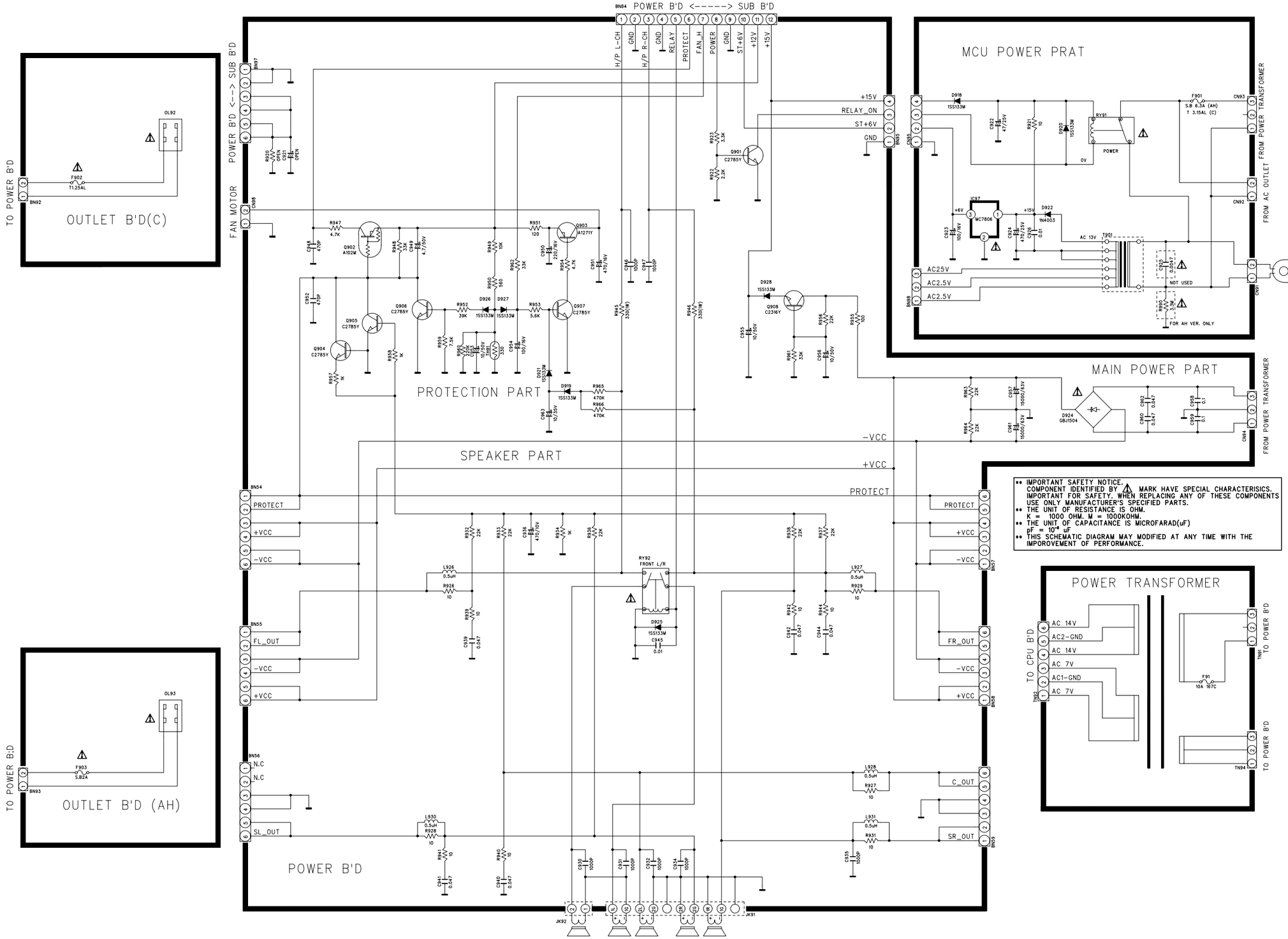
DAC F	DAC V	DAC Y	DAC C	DAC U
C/OFF	Y	Y	Pb	Pr
C/OFF	Y	G	B	R

	DVD	SAT	OTHER
SW1	H	H	L
SW2	H	L	X

AMP PART

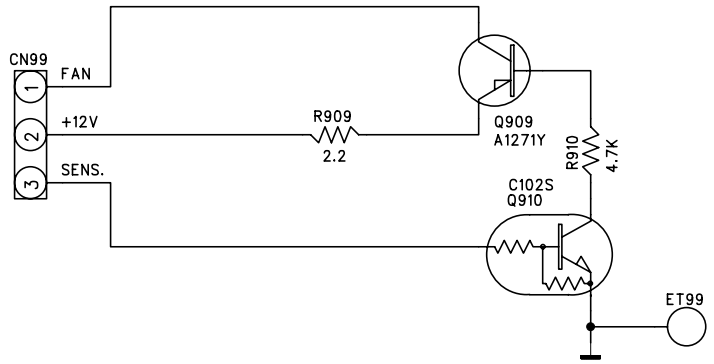

FRONT LEFT CH
FRONT RIGHT CH
CENTER CH
LEFT SURROUND CH
RIGHT SURROUND CH
AMP PART 1
AMP PART 2
+VCC
-VCC
FL_OUT
FR_OUT
C_OUT
SL_OUT
SR_OUT
PROT1
PROT2
PM1
PM2
SL_IN
SR_IN
C_IN
FL_IN
FR_IN
SW_IN
SW_OUT
R-OUT
CN51
CN52
CN53
CN54
CN55
CN56
CN57
CN58
CN59
CN60
CN61
CN62
CN63
CN64
CN65
CN66
CN67
CN68
CN69
BN51
BN52
AMP1

POWER PART

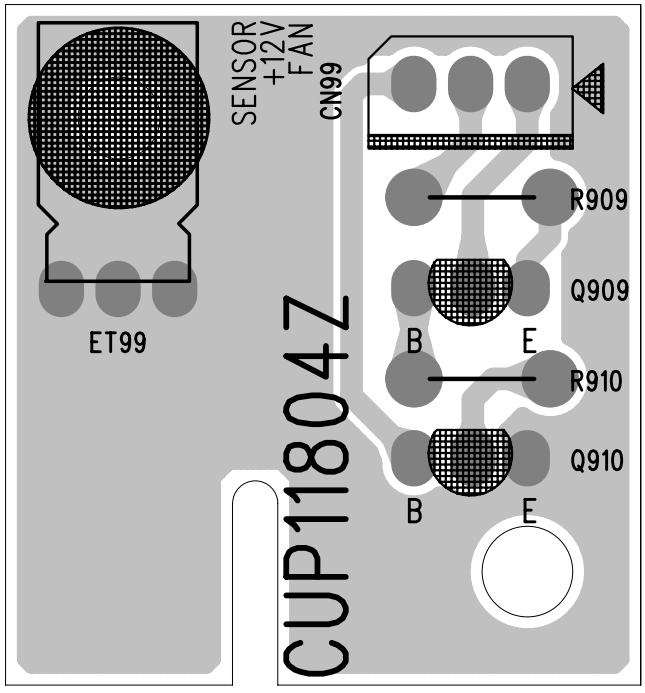


** IMPORTANT SAFETY NOTICE.
COMPONENT IDENTIFIED BY ⚠ MARK HAVE SPECIAL CHARACTERISICS.
IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS
USE ONLY MANUFACTURER'S SPECIFIED PARTS.
** THE UNIT OF RESISTANCE IS OHM.
K = 1000 OHM. M = 1000KOHM.
** THE UNIT OF CAPACITANCE IS MICROFARAD(uF)
pF = 10^6 uF
** THIS SCHEMATIC DIAGRAM MAY MODIFIED AT ANY TIME WITH THE
IMPOROVEMENT OF PERFORMANCE.

TEMPERATURE SENSING PART.

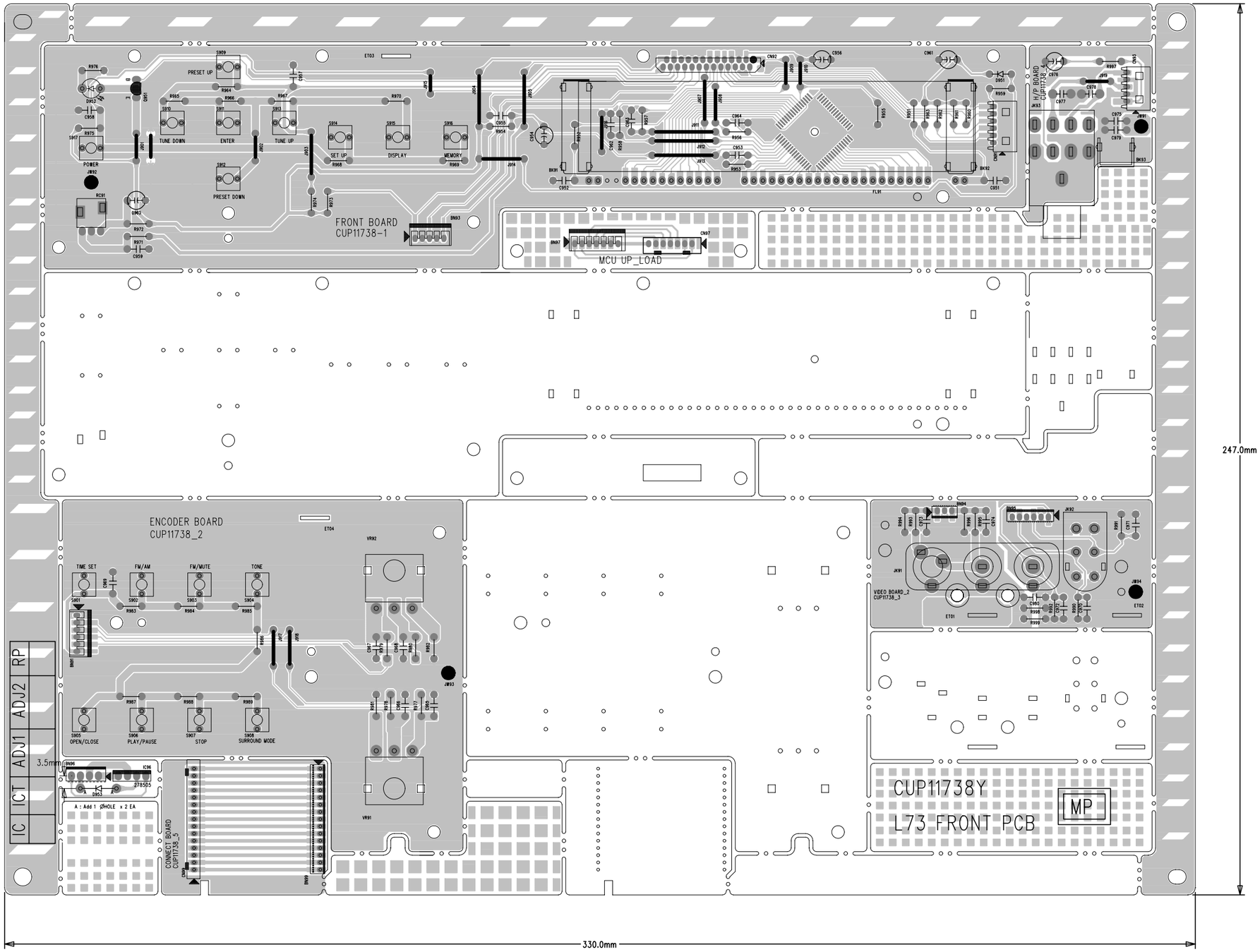


Ref. No.	Parts No.
CN99	CJP03GA01ZY
R909	CRD20TJ2R2T
R910	CRD20TJ472T
Q909	HVTKTA1271YT
Q910	HVTKRC102MT
ET99	HJT1A025



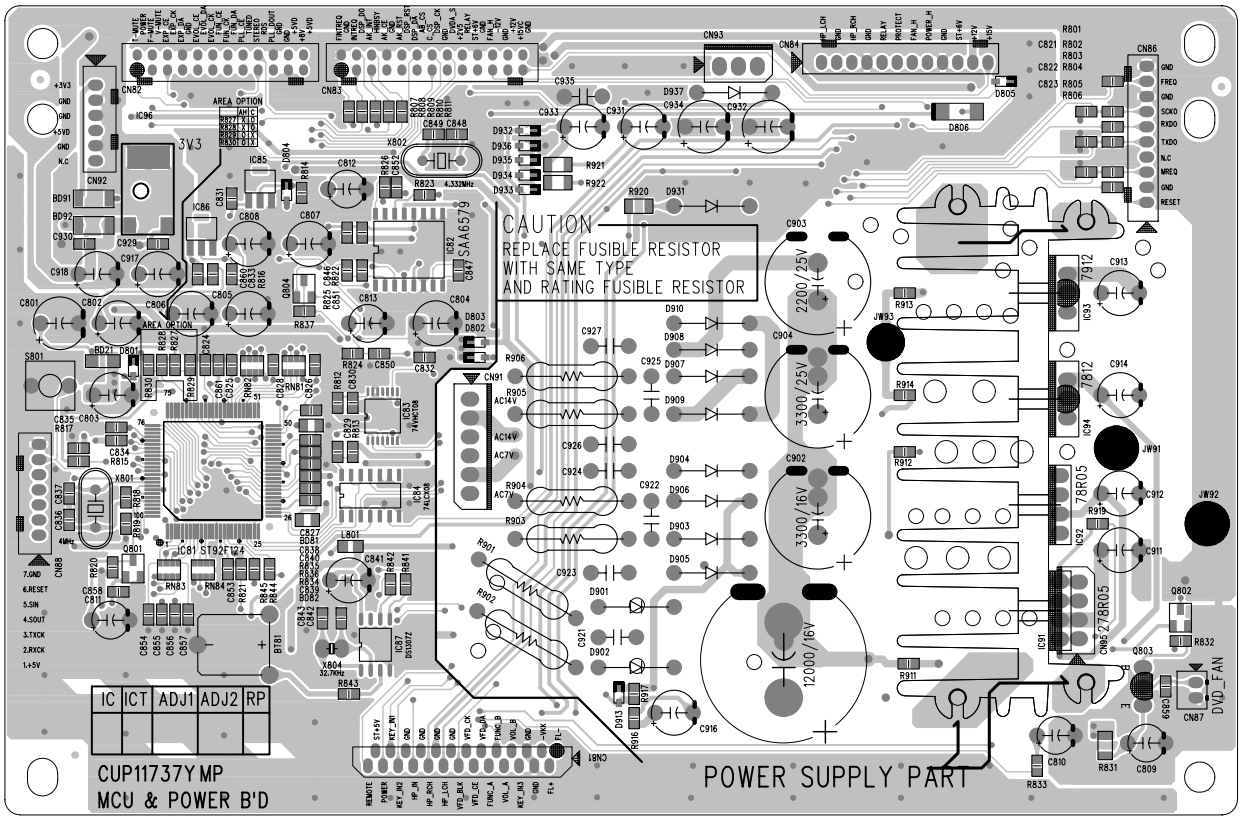
4. PRINTED CIRCUIT BOARDS

FRONT PART

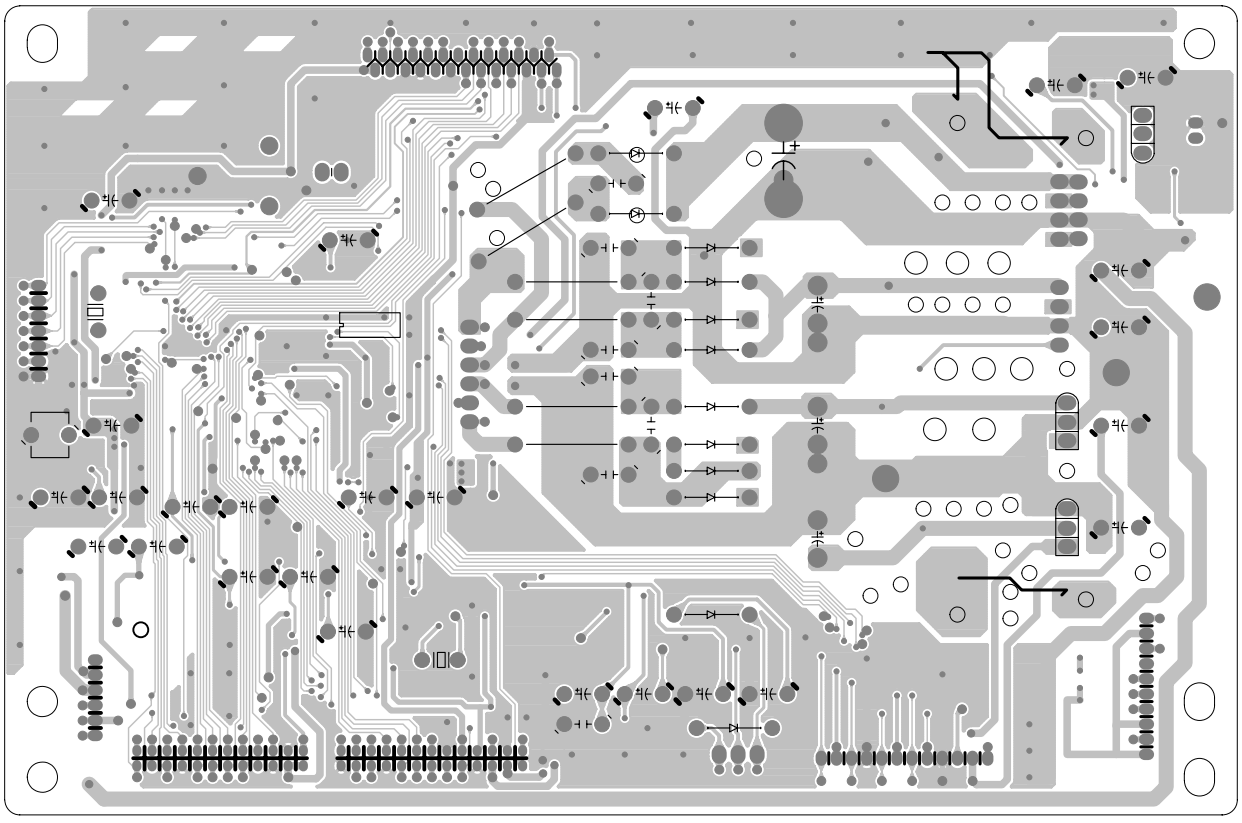


U-COM & POWER SUPPLY PART

< TOP VIEW >

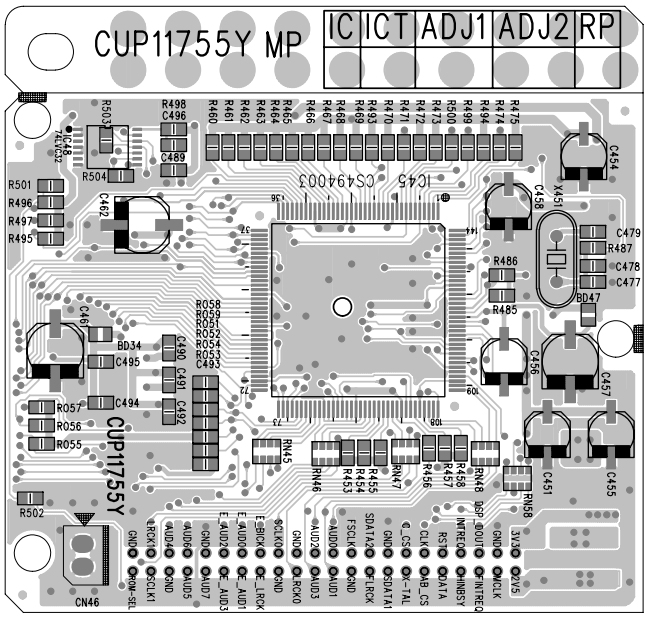


< BOTTOM VIEW >

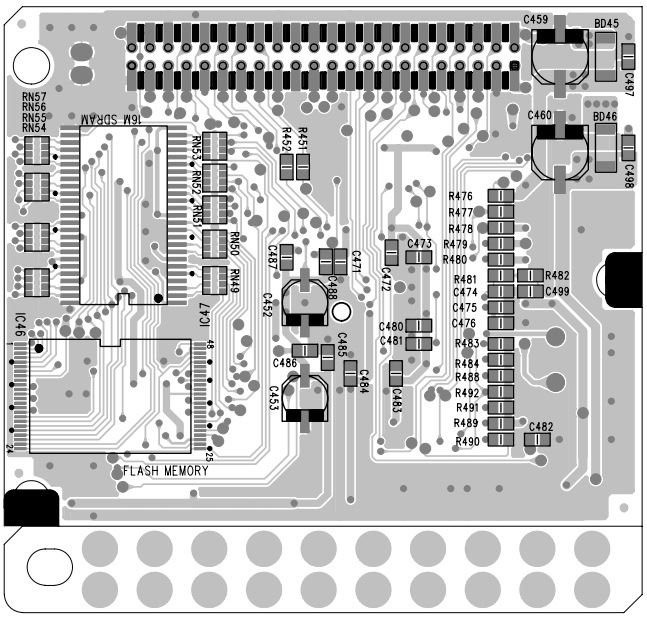


DSP PART

< TOP VIEW >

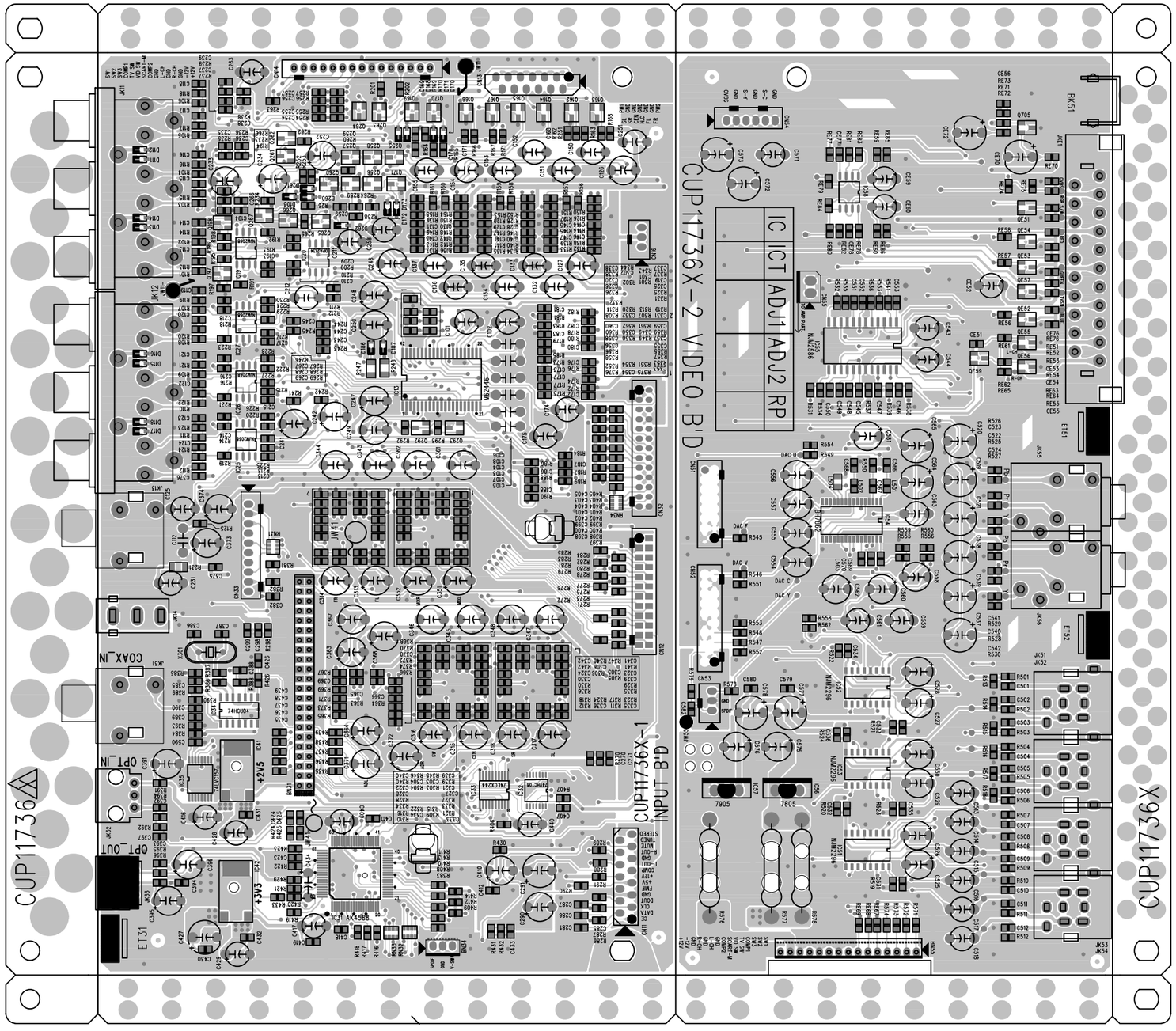


< BOTTOM VIEW >



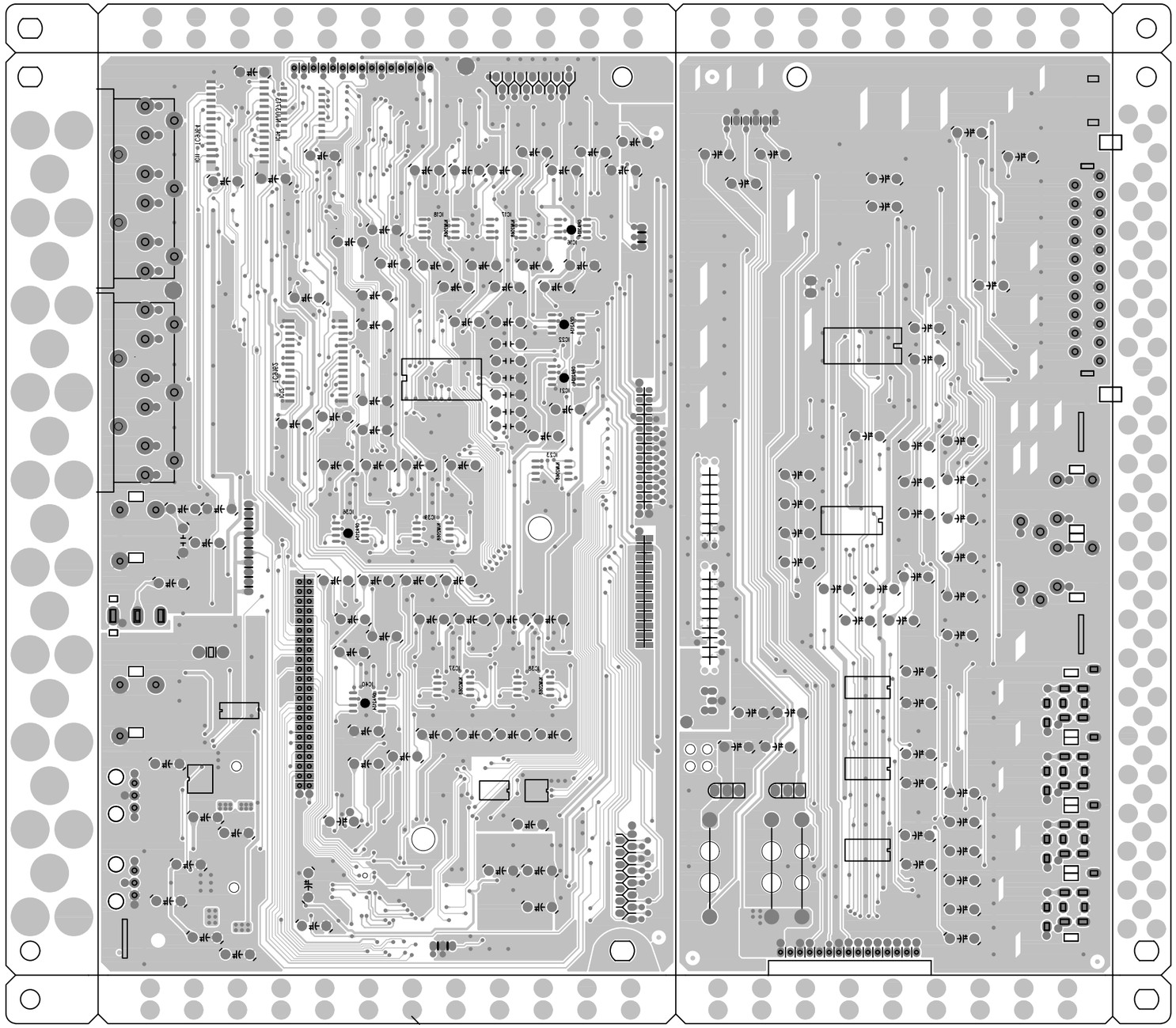
INPUT, VOLUME, CODEC, LPF & VIDEO PART

< TOP VIEW >

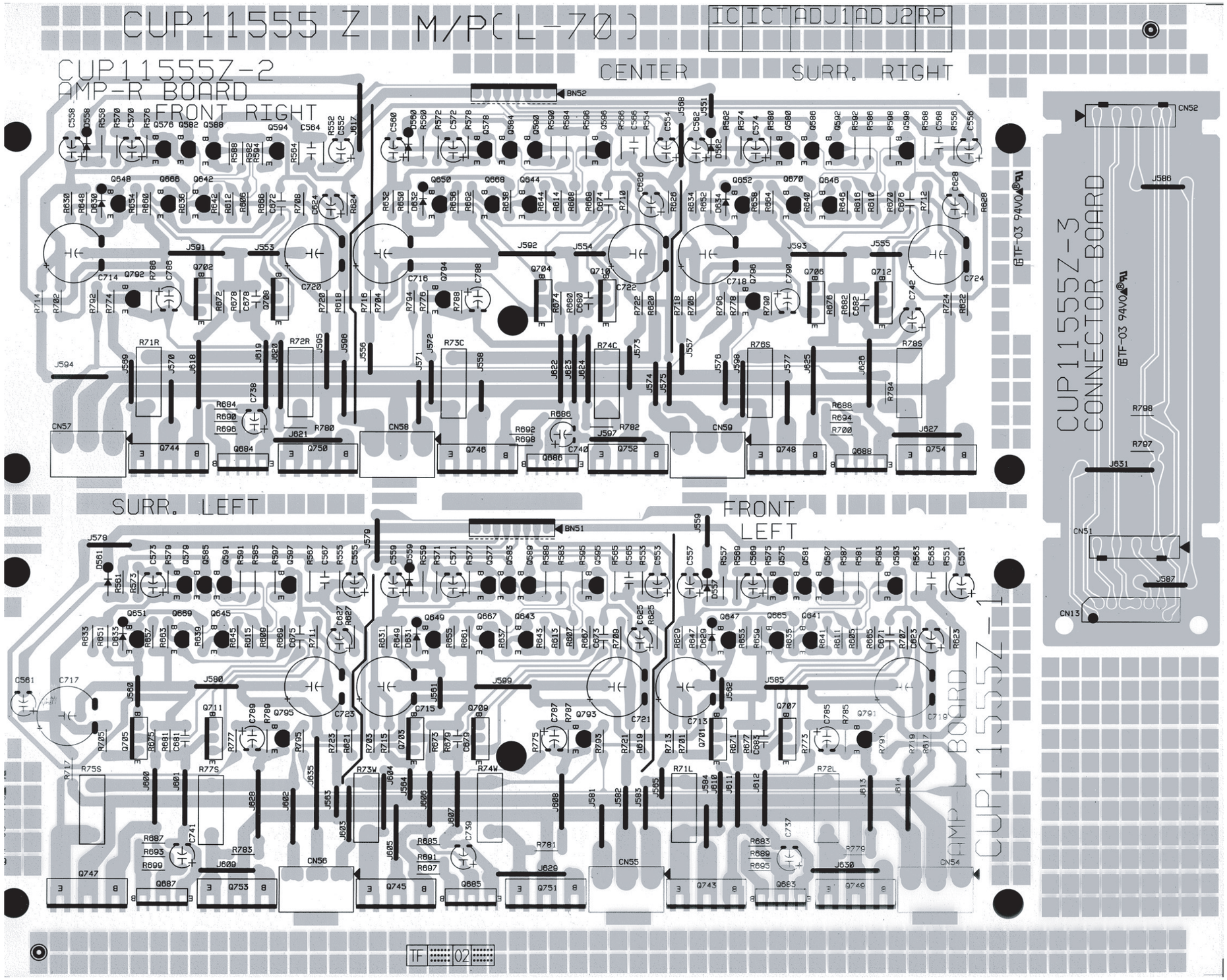


INPUT, VOLUME, CODEC, LPF & VIDEO PART

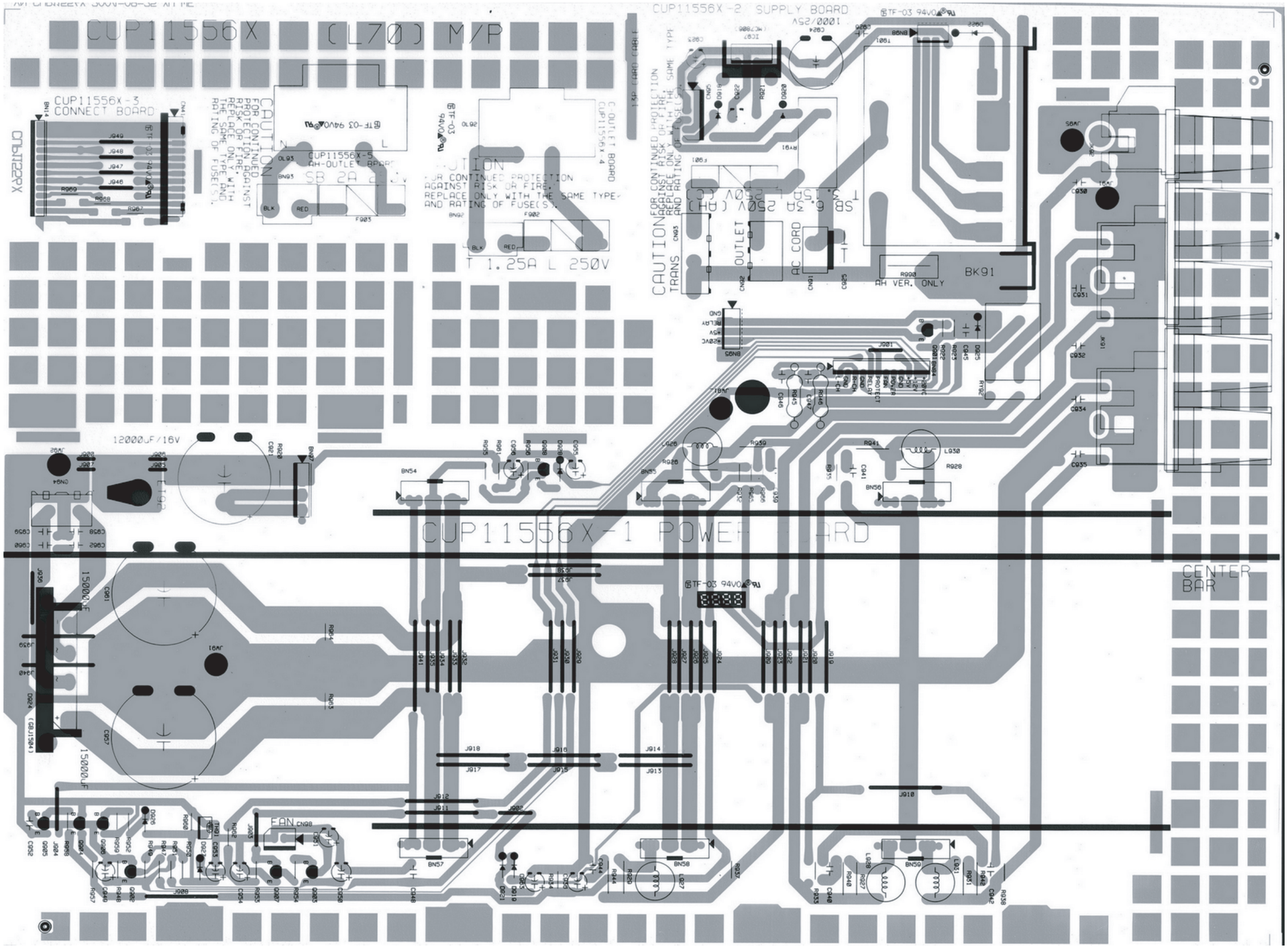
< BOTTOM VIEW >



AMP PART


CUP11555Z M/P(L-70)
IC ICT ADJ1 ADJ2 RP
CUP11555Z-2
AMP-R BOARD
FRONT RIGHT
CENTER
SURR. RIGHT
SURR. LEFT
FRONT LEFT
CUP11555Z-3
CONNECTOR BOARD
CUP11555Z-1
AMP-L BOARD
GTF-03 94V0
TF 02

POWER PART


CUP11556X (L70) M/P
CUP11556X-3
CONNECT BOARD
CUP11556X-5
AH-OUTLET BOARD
CUP11556X-2 SUPPLY BOARD
AC CORD
OUTLET
BK91
AH VER. ONLY
CUP11556X-1 POWER BOARD
CENTER
BAR
FAN CN98
12000UF/16V
15000UF
15000UF
T 1.25A L 250V